

FINAL

IDNR Master Matrix Technical Advisory Committee
Urbandale, Iowa
MEETING FOUR
August 8 and 9, 2002

SUMMARY MINUTES

- 1.10 Welcome from Federal Mediation & Conciliation Service (FMCS)
Introduction of Committee members, FMCS facilitators, and public attendees.
- 1.11 Committee members and FMCS facilitators present:
- Brent Halling, Iowa Department of Agriculture
 - Robin Pruisner, IDNR
 - Jack Cameron, University of Iowa (Uof I)
 - Dr. Douglas Kenealy, Iowa State University (ISU) (alternate)
 - Susan Heathcote, Iowa Environmental Council
 - Jim Gustafson, Iowa State Association of Counties (alternate)
 - Calvin Rozenboom, Farm Bureau
 - John Whitaker, Iowa Farmer's Union
 - Joe Laffoon, Iowa Poultry Association
 - John Korslund, Iowa Pork Producers Association (alternate)
 - Rosemary Hayes, FMCS
 - Danny Mabe, FMCS
 - Scot Beckenbaugh, FMCS
 - Keith Norton, FMCS
 - Tim Benton, Attorney General, advisor
 - Christine Spackman, IDNR, recorder
- 1.12 Public attendees:
- Michelle Meineke, Iowa Farm Bureau
 - Wendy Walker, Iowa Department of Economic Development
 - Lew Olson, Iowa House Republican Staff
 - Doug Wood, Humboldt County
 - Tom Burkgren, American Association of Flying Swine Veterinarians
 - Linda Kinman, Des Moines Water Works
 - Jasmine Bootman, PEI
 - Erin Jordahl, Sierra Club
 - Deanna Roelfs, Iowa Select Farms
 - Roy Overton, Izaak Walton League
 - Steve Hoff, ISU
 - Dwaine Bundy, ISU
 - Robert Mulqueen, Iowa State Association of Counties
 - Karen Grimes, IDNR
 - Emiley Gersema, Associated Press
 - Mary Braun, Iowa House Republican Staff
 - Bryan Bunton, IDNR
 - Elizabeth Horton Plasket, Iowa Environmental Council
 - Kevin Vinchattle, Iowa Poultry Association
- 1.13 There were five presenters during the 30-minute public participation time. Steve Veysey, Hawkeye Fly Fishing Association, gave a slide show concerning French Creek, high quality trout fishing, and concerns regarding location of manure storage near such streams.
- .

FINAL

- 1.14 Tom Parrott, Citizens for Responsible Livestock Production, discussed his concerns regarding the siting and operation of a hog confinement in the Lake Geode watershed and in similar cases. He expressed concerns with deficiencies in the Interim Matrix – i.e. lack of consideration of the number of homes located within a one-mile radius. He gave the committee a handout (Exhibit 18).
- 1.15 Tom Burkgren, American Association of Swine Veterinarians, asked that the Committee not include any language concerning the use of antibiotics in feeding.
- 1.16 Linda Kinman, Des Moines Water Works, asked that measures that are included in the Master Matrix address public health and environment. She presented a list of specific recommendations for inclusion in the Matrix (Exhibit 19).
- 1.17 Erin Jordahl, Sierra Club, expressed support for the Committee not using the Interim Matrix as a starting point for the Master Matrix. She presented a list of specific recommendations concerning measures for inclusion in the Matrix (Exhibit 20).
- 1.18 Steve Hoff gave a presentation on the ISU odor model, Community Assessment Model – what factors the model addresses. Bryan Bunton, IDNR, discussed positive and negative aspects of both the Minnesota and ISU odor models. He handed out a paper on the Minnesota model, OFFSET, Odor From Feedlots Setback Estimation Tool (Exhibit 21).
- 1.19 BREAK 15 minutes at 10:30 AM
- 1.110 Susan Heathcote, Iowa Environmental Council, presented some material concerning OSHA (Exhibit 22).
- 1.111 Dr. Douglas Kenealy, ISU, discussed his material concerning Environmental Management Systems (EMS) and feeding systems (Exhibit 23). The Committee asked that ISU provide to the Committee a list of existing EMSs.
- 1.112 John Whitaker presented information concerning property tax exemptions (Exhibit 24). Some discussion occurred concerning how agricultural property is valued and taxed. The DNR will attempt to bring a speaker to the next session to provide the Committee with its requested information from the Iowa Department of Revenue and Finance on how property tax exemptions affect a county's total annual revenue.
- 1.113 Rosemary Hayes, FMCS, spoke concerning next steps in the mediation process for the Committee. She handed out a flow chart (Exhibit 25). Keith Norton, FMCS, presented the Technology Assisted Group Solutions system (TAGS).

CONSENSUS DECISION: TAGS will be used on a trial basis for the mediation efforts today.

- 1.114 LUNCH RECESS at 12:00 PM
- 1.115 Rosemary Hayes asked for comments on the minutes. John Korslund distributed two documents. One was concerning comments by Dr. Wagstrom (Exhibit 26) and the other was "Frequently Asked Questions About Antibiotic Use in Animals" (Exhibit 27).

Dr. Gilchrist proposed alternate language for her presentation. She also distributed more material on the issue (Exhibit 28). Another member suggested that a statement be kept on Dr. Gilchrist's power point presentation.

The Committee approved by consensus the minutes as amended.

- 1.116 The Committee proceeded to modify the mitigating factors list working on item 1, site of facility.

FINAL

1.117 BREAK 15 minutes at 3:15 PM

1.118 The Committee proceeded to modify the mitigating factors list working on items 2 and 3, structure (storage) and nutrient management (land application).

1.119 Meeting adjourned at 5:10 PM to be reconvened at July 11 at 8:00 AM.

CONSENSUS DECISION SUMMARY

Tags will be used on a trial basis for the mediation efforts today.

PARKING LOT ISSUES

Comparison of therapeutic antibiotics in different production systems

FINAL

IDNR Master Matrix Technical Advisory Committee
Urbandale, Iowa
MEETING THREE
July 25, 2002

SUMMARY MINUTES

- 1.20 Opening
- 1.21 Committee members and FMCS facilitators present:
- Brent Halling, Iowa Department of Agriculture
 - Robin Puisner, IDNR
 - Dr. Mary Gilchrist, University of Iowa (U of I)
 - Dr. Douglas Kenealy, ISU (alternate)
 - Susan Heathcote, Iowa Environmental Council
 - Jim Gustafson, Iowa State Association of Counties (alternate)
 - Calvin Rozenboom, Farm Bureau
 - John Whitaker, Iowa Farmer's Union
 - Joe Laffoon, Iowa Poultry Association
 - John Korslund, Iowa Pork Producers Association (alternate)
 - Rosemary Hayes, FMCS
 - Danny Mabe, FMCS
 - Keith Norton, FMCS
 - Tim Benton, Attorney General, advisor
 - Bryan Bunton, IDNR, recorder
- 1.22 Public attendees:
- Chris Gruenhagen, Iowa Farm Bureau
 - Wendy Walker, Iowa Department of Economic Development
 - Lew Olson, Iowa House Republican Staff
 - Kevin Vinchattle, Iowa Poultry Association
 - Linda Kinman, Des Moines Water Works
 - Joe Greling, EAT
 - Elizabeth Horton Plasket, Iowa Environmental Council
 - Wayne Gieselman, IDNR
 - Mary Braun, House Democrat Staff
 - David Vestal, Iowa State Association of Counties
 - Emily Geseme, Associated Press
 - Karen Grimes, IDNR
- 1.23 Robin Puisner, IDNR, asked that Wayne Gieselman, IDNR, address the Committee's questions of the prior day concerning engineering and design of above ground and underground manure storage structures, horizontal and vertical movement of groundwater and aeration requirements for aerobic manure storage structures. Design standards and primary and secondary containment issues were discussed. Wayne recommended that these mitigating factors might not be appropriate for use in the matrix.
- 1.24 The Committee proceeded to modify the mitigating factors list continuing to work on item 3, nutrient management.
- 1.25 BREAK – 15 minutes at 9:45 AM

FINAL

- 1.26 Robin Puisner handed out the latest draft version of the Interim Matrix (Exhibit 29).
- 1.27 The Committee proceeded to modify the mitigating factors list adding
- Major water sources
 - High quality water resource which includes HQ, HQR, and PWA
 - PHYTASE feed additive
 - Non-application on legume crops
 - Distance between facility and application fields
 - Selling manure as an energy source
 - Composting
 - Bulk dry manure as conservation plans allow under 200A
 - Bulk dry manure sold under 200A
- 1.28 Robin Puisner, IDNR, asked that Richard Stradley, Iowa Department of Revenue and Finance, address the prior day's questions concerning property tax. He explained how agricultural property evaluation works, and how it relates to Iowa property tax. He stressed that agricultural factors vary from county to county. He provided that the Committee handouts on Family Farm Tax Credit (Exhibit 30) and An Introduction to Iowa Property Tax (Exhibit 31).
- 1.29 LUNCH recess at 11:45 AM
- 1.30 The Committee continued to modify the mitigating factors list working on social/health/economic impact. Robin Puisner distributed a copy of Iowa Workforce Development, Labor Market Information, May 2002 (Exhibit 32).
- 1.31 BREAK – 15 minutes at 3:00 PM
- 1.32 The Committee continued to modify the mitigating factors list working on operation. Rosemary Hayes handed out the revised list of mitigating factors (Exhibit 33).
1. Site separation distances – facilities
 - Residences
 - Public Use Areas (567 IAC Chapter 65)
 - Schools, churches
 - Water sources
 - Business
 - Historical areas
 - Hospitals, nursing homes, daycare centers, residential care facilities
 - Thoroughfares
 - Primary highways
 - Resident owners signing waivers
 - Critical public areas as defined in Code
 - Distance to private wells/sink holes
 - Designated wetlands
 - Distance to nearest facility with MMP
 - Groundwater aquifers(vertical separation)
 - High quality water resource which includes HQ, HQR and PWA
 - Major water sources
 2. Site
 - Modeling (siting is optimized based on computerized modeling)
 - Truck turn around and snow removal
 3. Structure (storage)
 - Enhanced construction standards related to specific site risk
 - Covers on manure storage to include under building pits
 - Secondary containment

FINAL

- Filters to improve air quality
 - Landscaping with wind breaks to improve appearance and odor control
 - Structure enhancing of stock piling and/or composting to include impermeable pad and covers
 - Formed storage
 - Aerate manure storage structure
4. Nutrient management/land application
- Manure application by injection or incorporation
 - Manure application rate – based on crop phosphorus utilization
 - Conservation practices - buffer strips
 - Conservation practices - soil conservation practices
 - Non-Highly Erodable Land (HEL) application
 - Residences
 - Public Use Areas (567 IAC Chapter 65)
 - Schools, churches
 - Water sources
 - Business
 - Hospitals, nursing homes, daycare centers, residential care facilities
 - Critical public areas as defined in Code
 - Distance to private wells
 - Distance to public water wells (separation distances) (including participation in wellhead protection)
 - Ag drainage wells/sink holes
 - Designated wetlands
 - Major water sources
 - High quality water resource which includes HQ, HQR, and PWA
 - PHYTASE feed additive
 - Non application on legume crops
 - Distance between facility and application fields
 - Selling manure as an energy source
 - Composting
 - Bulk dry manure incorporated as conservation plans allow under 200A
 - Bulk dry manure sold under 200A
5. Social/Economic impact
- Demonstrated neighborhood support within a radius which equals two times the set back distance
 - Environmental violation history related to animal feeding operations
 - Size of facility
 - Quality job development based on Iowa Workforce Development median hourly wage report per county
 - Non-participation in pollution control property tax exemption
 - Site qualifies as homestead property exemption
 - Site qualifies for a family farm tax credit
 - Local purchase of inputs
 - Absence of sub therapeutic antibiotic supplementation
 - Implemented worker health and safety protection program
 - Facility provides disclosure to the community/neighbors
 - Owner of livestock listed on manure management plan
 - Separation distances – facilities in relationship to unknown distance between poultry and swine
 - Defined added economic community value
6. Operations
- Monitoring air

FINAL

- Posted emergency action plan
 - Closure plan
 - Feeding systems
 - Adoption and implementation of an environmental management system (EMS)
 - Timing of flushing, pumping, pushing
 - Monitoring water
 - Use of products that promote odor control
- 1.33 Rosemary Hayes polled the Committee for the need more information for the next meeting. It was decided that the following entities would provide either written or oral material on the following topics at the next meeting:
- Bacteria and pathogens in manure (ISU)
- 1.33 Meeting adjourned at 4:30 PM to be reconvened on August 8 and 9.

CONSENSUS DECISION SUMMARY

None

From 7/24/02

TAGS will be used on a trial basis for the mediation efforts today.

PARKING LOT ISSUES

Comparison of therapeutic antibiotics in different production systems

ATTACHMENT Master Matrix Technical Advisory Committee Recommendations

Exhibit 18 – Tom Parrott’s statement, participant during public participation

Exhibit 19 – 2002 CAFO Interim and Final Matrix Comments and Recommendations, Des Moines Water Works, July 2002, presented by Linda Kinman, participant during public participation

Exhibit 20 – Iowa Sierra Club comments, presented by Erin Jordahl, participant during public participation

Exhibit 21- OFFSET, Odor From Feedlots Setback Estimation Tool, presented by Steve Hoff, ISU.

Exhibit 22 – Occupational Health Swine handout, presented by Susan Heathcote, Iowa Environmental Council Committee member

Exhibit 23 – Partnerships for Livestock Environmental Management Systems and Managing Manure Nutrients for Crop Production, presented by Dr. Douglas Kenealy, alternate ISU Committee member

Exhibit 24 – Pollution Control and Recycling Property Tax Exemption and Family Farm and Homestead Tax Credits Code References, presented by John Whitaker, Iowa Farmers Union

Exhibit 25 – Interest Based Problem Solving flowchart, presented by Rosemary Hayes, FMCS

Exhibit 26 – Summary of Statement Presented by Dr. Liz Wagstrom, National Pork Board, presented by John Korsland, alternate Iowa Pork Producers Association Committee member

FINAL

Exhibit 27 –Frequently Asked Questions About Antibiotic Use in Animals, presented by John Korsland, alternate Iowa Pork Producers Association Committee member

Exhibit 28 – Agricultural Antibiotic Use, Patricia Quinlisk, May 9, 2002, presented by Dr. Mary Gilchrist, U of I Committee member

Exhibit 29 – Draft Interim Matrix, presented by Robin Puisner, IDNR Committee member

Exhibit 30 –Family Farm Tax Credit, presented by Richard Stradley, Iowa Department of Revenue and Finance

Exhibit 31 – An Introduction to Iowa Property Tax, presented by Richard Stradley, Iowa Department of Revenue and Finance

Exhibit 32 - Iowa Workforce Development, Labor Market Information, May 2002, presented by Robin Puisner, IDNR Committee member

Exhibit 33 - FMCS Electronic Flip Chart for Mitigating Factors